OIPE
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PATENT & TRADEMARK OFFICE
2100

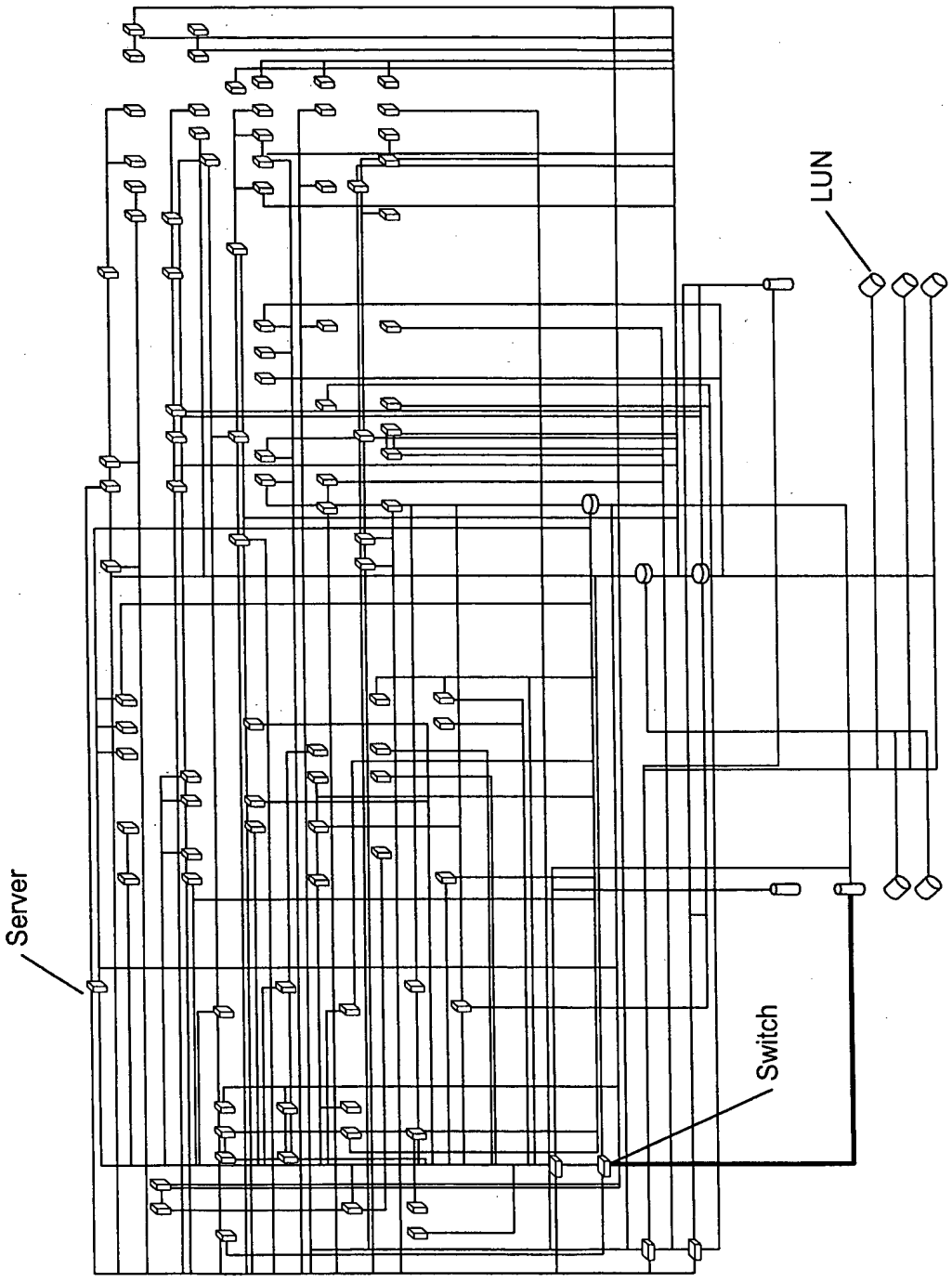

FIG. 2

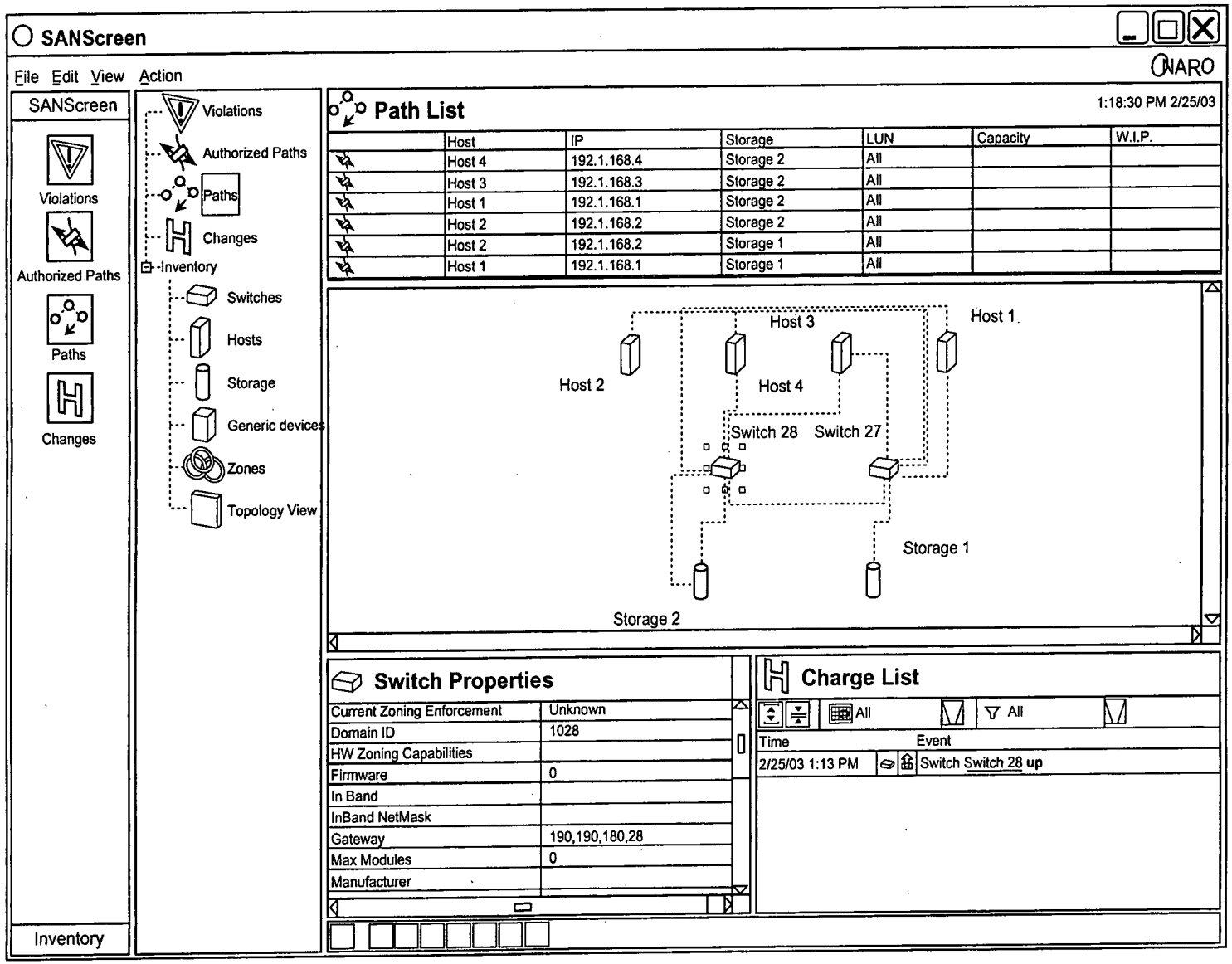
SANScreen
File Edit View Action
ONARO
SANScreen
Violations
Authorized Paths
Paths
Changes
Inventory
Violations
Authorized Paths
Paths
Changes
Inventory
Switches
Hosts
Storage
Generic devices
Zones
Topology View
Path List
1:18:30 PM 2/25/03
Host
IP
Storage
LUN
Capacity
W.I.P.
Host 4 192.1.168.4 Storage 2 All
Host 3 192.1.168.3 Storage 2 All
Host 1 192.1.168.1 Storage 2 All
Host 2 192.1.168.2 Storage 2 All
Host 2 192.1.168.2 Storage 1 All
Host 1 192.1.168.1 Storage 1 All
Host 3
Host 1
Host 2
Host 4
Switch 28
Switch 27
Storage 1
Storage 2
Switch Properties
Current Zoning Enforcement Unknown
Domain ID 1028
HW Zoning Capabilities
Firmware 0
In Band
InBand NetMask
Gateway 190,190,180,28
Max Modules 0
Manufacturer
Charge List
All
All
Time
Event
2/25/03 1:13 PM
Switch Switch 28 up

FIG. 5

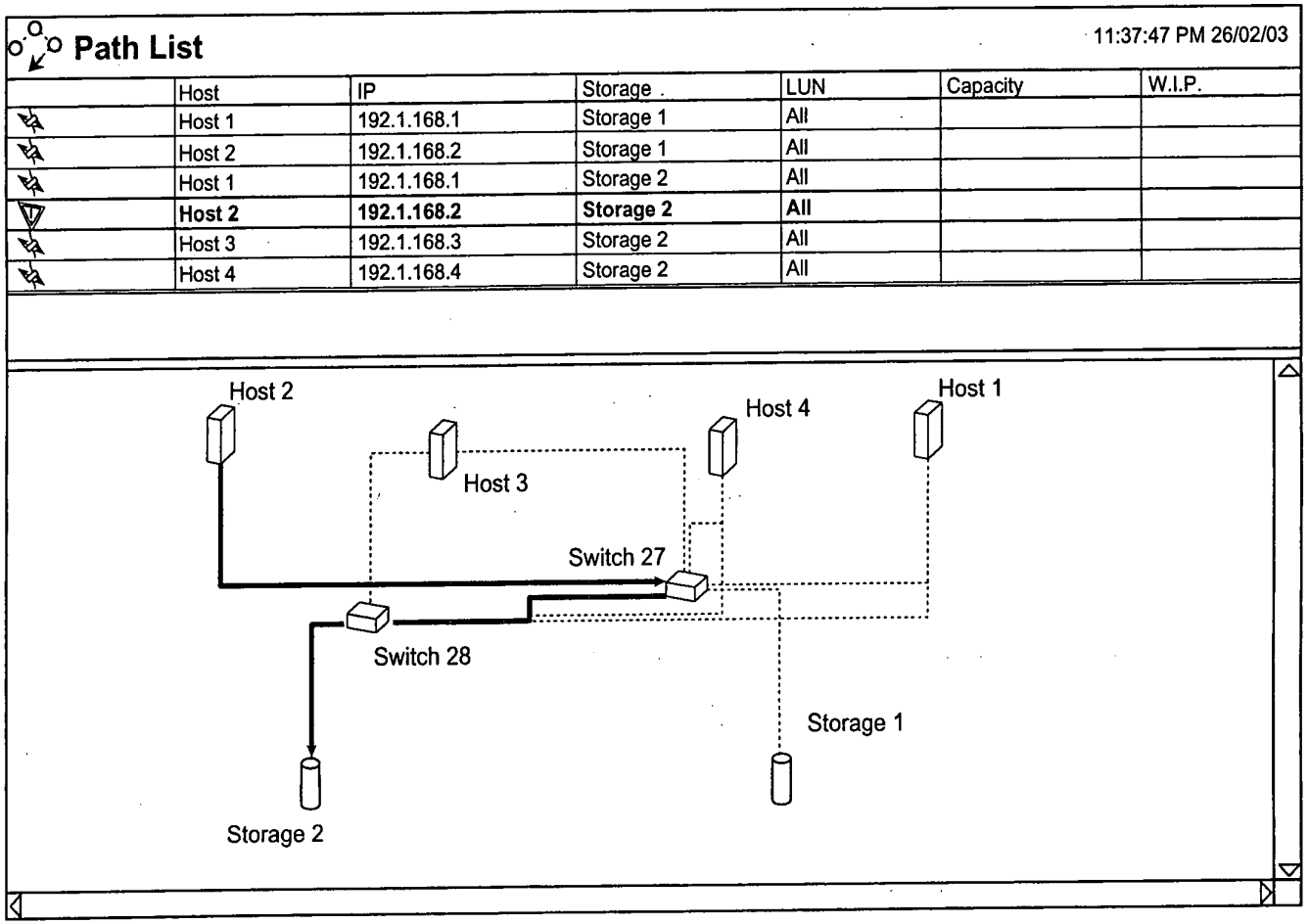
Path List
11:37:47 PM 26/02/03
Host
IP
Storage
LUN
Capacity
W.I.P.
Host 1
192.1.168.1
Storage 1
All
Host 2
192.1.168.2
Storage 1
All
Host 1
192.1.168.1
Storage 2
All
Host 2
192.1.168.2
Storage 2
All
Host 3
192.1.168.3
Storage 2
All
Host 4
192.1.168.4
Storage 2
All
Host 2
Host 3
Host 4
Host 1
Switch 27
Switch 28
Storage 1
Storage 2

FIG. 6

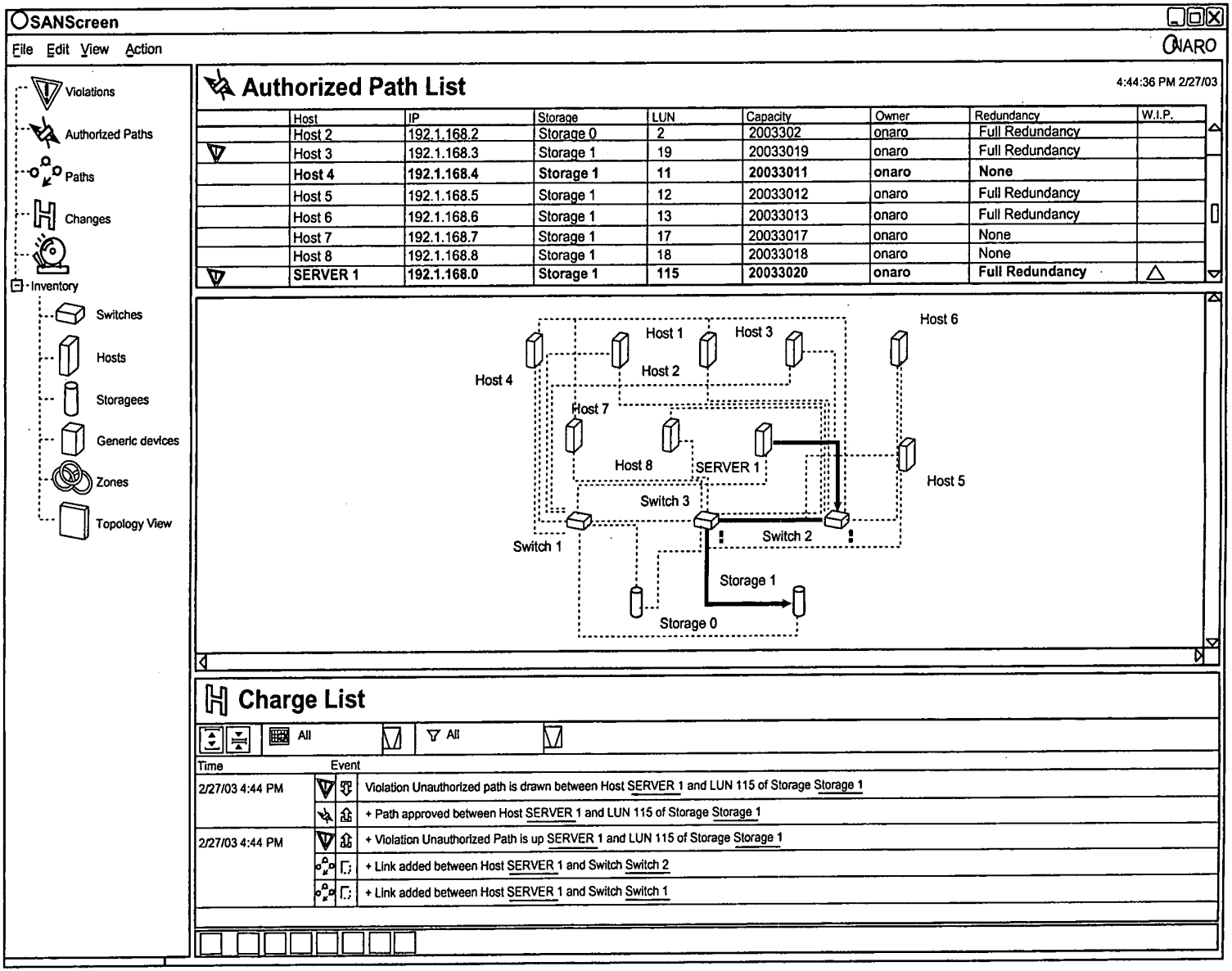
SANScreen
File Edit View Action
ONARO
Violations
Authorized Paths
Paths
Changes
Inventory
Switches
Hosts
Storagees
Generic devices
Zones
Topology View
Authorized Path List
4:44:36 PM 2/27/03
Host | IP | Storage | LUN | Capacity | Owner | Redundancy | W.I.P.
Host 2 | 192.1.168.2 | Storage 0 | 2 | 20033302 | onaro | Full Redundancy
Host 3 | 192.1.168.3 | Storage 1 | 19 | 20033019 | onaro | Full Redundancy
Host 4 | 192.1.168.4 | Storage 1 | 11 | 20033011 | onaro | None
Host 5 | 192.1.168.5 | Storage 1 | 12 | 20033012 | onaro | Full Redundancy
Host 6 | 192.1.168.6 | Storage 1 | 13 | 20033013 | onaro | Full Redundancy
Host 7 | 192.1.168.7 | Storage 1 | 17 | 20033017 | onaro | None
Host 8 | 192.1.168.8 | Storage 1 | 18 | 20033018 | onaro | None
SERVER 1 | 192.1.168.0 | Storage 1 | 115 | 20033020 | onaro | Full Redundancy
Host 1
Host 2
Host 3
Host 4
Host 5
Host 6
Host 7
Host 8
SERVER 1
Switch 1
Switch 2
Switch 3
Storage 0
Storage 1
Charge List
All
All
Time
Event
2/27/03 4:44 PM
Violation Unauthorized path is drawn between Host SERVER 1 and LUN 115 of Storage Storage 1
+ Path approved between Host SERVER 1 and LUN 115 of Storage Storage 1
2/27/03 4:44 PM
+ Violation Unauthorized Path is up SERVER 1 and LUN 115 of Storage Storage 1
+ Link added between Host SERVER 1 and Switch Switch 2
+ Link added between Host SERVER 1 and Switch Switch 1

FIG. 8